

## CLAIMS

1. A method for obtaining an aptamer, comprising the following steps (a) to (e) with steps (b) to (e) repeated any number of times:
  - 5 (a) immobilizing to a microarray substrate a plurality of polynucleotides comprising nucleotide sequences that are different from one another;
  - (b) contacting a labeled target molecule with said microarray substrate immobilized with polynucleotides;
  - (c) determining the binding strengths of said polynucleotides to said target molecule;
  - 10 (d) selecting one or more polynucleotides having relatively high binding strengths; and
  - (e) immobilizing each of the polynucleotides selected by step (d) to a microassay substrate, wherein a mutation is introduced into said polynucleotide nucleotide sequences.
2. The method of claim 1, wherein the mutation in step (e) is a one- or two-base substitution  
15 mutation.
3. The method of claim 1 or 2, wherein the labeling is fluorescence labeling.
4. The method of any one of claims 1 to 3, wherein the contact in step (b) is carried out by  
20 immersing the microarray substrate in a solution in which the target molecule has been dissolved.
5. The method of any one of claims 1 to 4, wherein the polynucleotides in step (a) comprise computer-generated random sequences.